

## WHAT IS CLAIMED IS:

## 1. An inkjet printer head comprising:

heating elements, each having a heating resistor which is energized by application of an electric current so that a part of ink which is located in proximity to the heating resistor is boiled to form a bubble; and

ejection nozzles, each being provided for each of said heating elements, wherein expansion of the formed bubble causes the ink to be ejected as a droplet through each of said ejection nozzles,

wherein each of said heating elements has no protective film disposed between said heating resistor and the ink in which the bubble is to be formed, and a thickness of said heating resistor is in a range of from  $2\ \mu\text{m}$  to  $5\ \mu\text{m}$ .

2. The inkjet printer head according to claim 1, wherein a ratio of volume resistivity of said heating resistor to said thickness is in a range of from  $100\ \Omega$  to  $4 \times 10^4\ \Omega$ .

3. The inkjet printer head according to claim 1, wherein said heating resistor is composed of a Ta-Si-O ternary alloy, a Cr-Si-O ternary alloy or an alloy material made of Ta, Cr, Si and O.